Release notes for ENDF/B Development dec-031_Ga_080 evaluation

October 13, 2016

- `fizcon` Errors:

  1. Parity set to illegal value
     MAT= 707, MF= 8, MT=457 (1): Bad parity

     ```
     ERROR(S) FOUND IN MAT= 707, MF= 8, MT=457
         PARITY= 0.00000E+00 NOT +1.0 OR -1.0
     ```

  2. All probability distributions should be normalized to 1, this one isn't.
     MAT= 707, MF= 8, MT=457 (2): Bad norm (b)

     ```
     ERROR(S) FOUND IN MAT= 707, MF= 8, MT=457
         NORMALIZATION CHECK INTEGRAL= 1.00316E+00 BEFORE
     ```

  3. Energies released in decay not adding up!
     MAT= 707, MF= 8, MT=457 (3): Bad energy sum

     ```
     ERROR(S) FOUND IN MAT= 707, MF= 8, MT=457
         NEUTRON AVERAGE ENERGY SUMUP FAILURE
             WHOLE= 2.75638E+03  SUM= 2.83515E+03
     ```

1